Application No.: 10/849,574

Amdt dated: December 4, 2008

Reply to Office action of September 5, 2008

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the

application.

Listing of Claims:

1. (Currently Amended) A seal for laparoscopic port comprising:

a base adapted to engage a cannula, the base including an axial aperture for a

surgical instrument;

a multiplicity of jaws mounted on the base, the jaws being moveable radially with

respect to the aperture between an open position wherein the shaft of the surgical

instrument may pass freely and the closed position wherein the jaws engage said shaft

and provide a restraining force restraining radial movement of the shaft; and

an actuator rotatable to urge the jaws to move between said open position and

said closed position; and

a diaphragm adapted to contact the shaft of a surgical instrument extending

through the aperture;

wherein the diaphragm includes a lip, each jaw including a radially outwardly

facing portion adapted to engage the lip so that the aperture of the diaphragm is forced

to open as the jaws move to an open position.

Page 2 of 12

Application No.: 10/849,574 Amdt dated: December 4, 2008

Reply to Office action of September 5, 2008

2. (Original) A seal as claimed in claim 1, wherein the jaws may be adjusted

to engage a shaft having any diameter between preselected upper and lower limits.

3 (Currently Amended) A seal as claimed in claim 1, wherein the jaws are

moveable along guides on the carrier plate base.

4. (Original) A seal as claimed in claim 3 wherein the guides comprise

channels between raised formations, tracks or runners.

5. (Original) A seal as claimed in claim 4, wherein each jaw comprises a

follower member adapted to be received in a respective guideway in an actuator

arranged so that rotation of the actuator causes radial movement of the jaw.

6. (Original) A seal as claimed in claim 5, wherein each guideway comprises

an arcuate channel formed in the actuator, a projection or other follower being received

in the channel.

7.. (Original) A seal as claimed in claim 6, wherein the channels have the

configuration of parabolic curves.

8. (Canceled). Application No.: 10/849,574

Amdt dated: December 4, 2008

Reply to Office action of September 5, 2008

9. (Currently Amended) A seal as claimed in claim [[8]] 1, wherein the diaphragm includes a lip, each jaw including a radially outwardly facing portion adapted to engage the lip so that the aperture of the diaphragm is forced to open as the jaws move to an open position of each jaw comprises a hook.

- 10. (Original) A seal as claimed in claim 1, wherein the aperture of the jaws is continuously adjustable between maximum and minimum positions.
- 11. (Original) An actuator as claimed in claim 1, wherein the jaws may be fully opened or closed by a rotation through an angle of 30 to 180°.
- 12. (Original) A seal as claimed in claim 1, including a multiplicity of shield members disposed on the proximal side of the diaphragm to prevent accidental damage to the diaphragm in use.
- 13. (Original) A seal as claimed in claim 12, wherein the shield members are moveable radially between open and closed positions synchronously with the jaws.
- 14. (Original) A seal as claimed in claim 13, wherein each shield member is attached to a respective jaw.

Application No.: 10/849,574 Amdt dated: December 4, 2008

Reply to Office action of September 5, 2008

15. (Original) A seal as claimed in claim 14, wherein the shield members are interleaved to form a continuous barrier covering the diaphragm.

16 (Original) A seal as claimed in claim 1, wherein each jaw member has two laterally extending shield members.